

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1316517

Luminaire Tested: P3SQAS20R259827D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259827D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

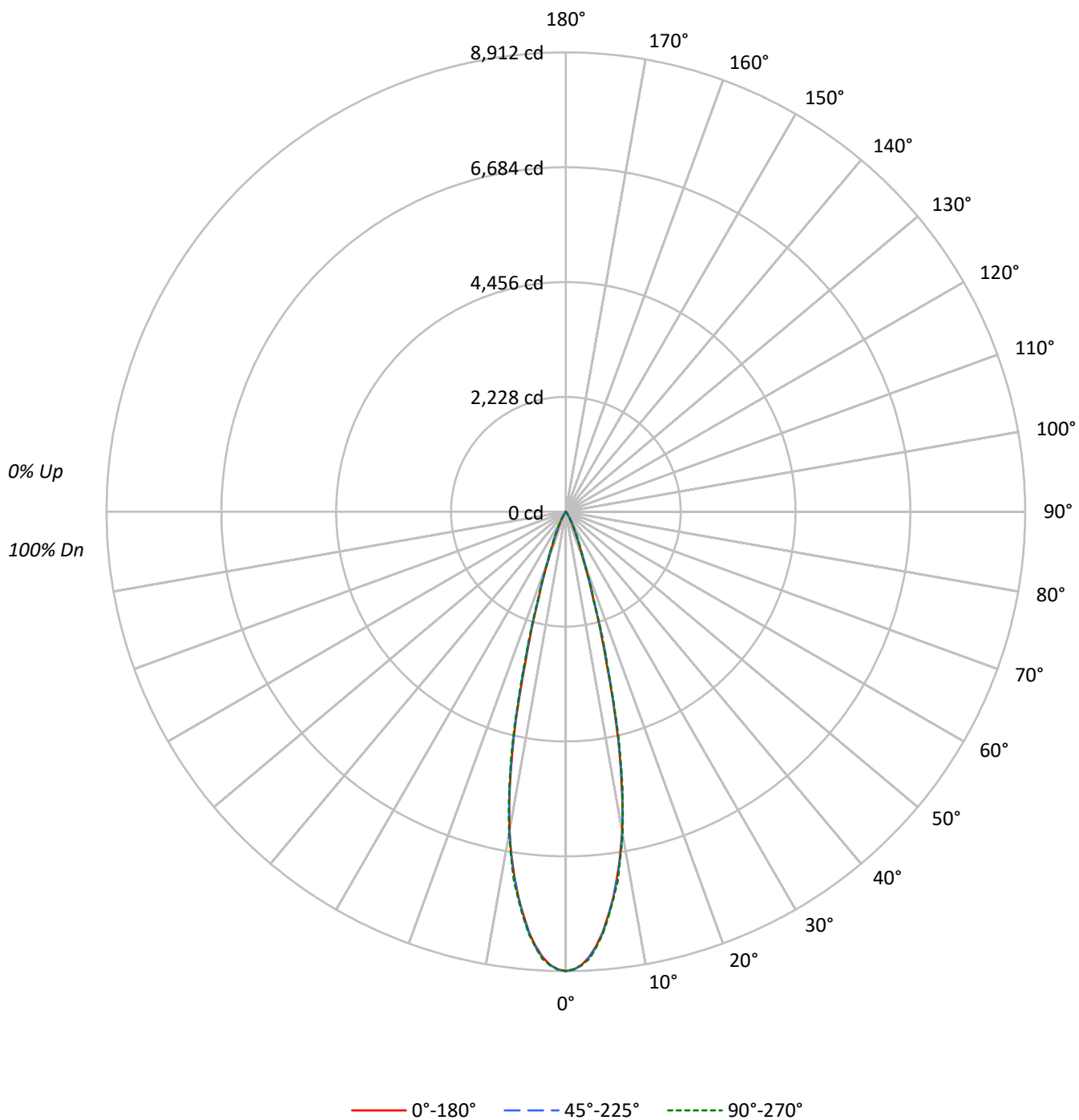
Lumens per Lamp: N/A
Luminaire Lumens: 1855.0 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	110	108	107	106	105	103	103	102	100	99	99	97	96	96
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	93	93
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	91	91
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	88	88
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87	86	86
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	85	84	83	83
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82	81	81
8	95	89	85	82	94	88	85	82	87	84	82	87	84	82	86	83	81	80	79	79
9	93	86	83	80	92	86	82	80	85	82	80	85	82	80	84	81	79	78	77	77
10	91	84	81	78	90	84	80	78	83	80	78	83	80	78	82	79	77	76	75	75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1534797	1534797	1534797
5°	1415183	1418381	1421337
10°	1098803	1102772	1108753
15°	543007	565847	566096
20°	182836	195097	186483
25°	75726	84106	77892
30°	29711	37367	30009
35°	7779	15264	8073
40°	2878	6070	2878
45°	341	1729	341
50°	0	375	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1729 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	722.1	38.9
10°-20°	873.4	47.1
20°-30°	213.3	11.5
30°-40°	41.5	2.2
40°-50°	4.7	0.3
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1808.8	97.5
0°-40°	1850.3	99.7
0°-60°	1855.0	100.0
0°-90°	1855.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1855.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8912	8912	8912	8912	8912	
5°	8186	8197	8204	8240	8222	720
15°	3046	3118	3174	3205	3175	858
25°	398	420	443	424	410	203
35°	37	53	73	53	38	33
45°	1	4	7	4	1	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8911.7	8911.7	8911.7	8911.7	8911.7
1°	8877.6	8883.3	8884.7	8893.2	8876.1
2°	8796.4	8797.9	8802.1	8819.2	8803.6
3°	8647.0	8657.0	8658.4	8681.2	8685.4
4°	8443.5	8449.2	8460.6	8499.0	8464.9
5°	8185.9	8197.3	8204.4	8240.0	8221.5
6°	7867.1	7870.0	7885.6	7926.9	7901.3
7°	7542.7	7541.2	7542.7	7575.4	7568.3
8°	7151.3	7144.2	7166.9	7206.8	7233.8
9°	6742.9	6752.8	6767.0	6805.5	6774.2
10°	6283.2	6310.2	6305.9	6308.8	6340.1
11°	5753.8	5762.3	5763.7	5793.6	5789.3
12°	5131.9	5131.9	5178.8	5227.2	5211.5
13°	4504.2	4548.4	4517.1	4527.0	4589.6
14°	3772.8	3806.9	3849.6	3889.5	3858.1
15°	3045.5	3118.1	3173.6	3204.9	3175.0
17.5°	1744.8	1769.0	1815.9	1821.6	1803.1
20°	997.6	1027.5	1064.5	1053.1	1017.5
22.5°	627.6	636.1	673.1	654.6	646.1
25°	398.5	419.8	442.6	424.1	409.9
27.5°	247.6	261.9	286.1	266.1	250.5
30°	149.4	162.2	187.9	160.8	150.9
32.5°	78.3	96.8	118.1	98.2	78.3
35°	37.0	52.7	72.6	52.7	38.4
37.5°	22.8	28.5	44.1	28.5	22.8
40°	12.8	18.5	27.0	18.5	12.8
42.5°	5.7	10.0	12.8	10.0	7.1
45°	1.4	4.3	7.1	4.3	1.4
47.5°	0.0	0.0	4.3	1.4	0.0
50°	0.0	0.0	1.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)